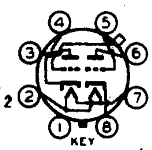
6C8-G

TWIN-TRIODE AMPLIFIER

Heater■	Coated Unipotential Cathodes		
Voltage	6.3		a-c or d-c volts
Current	0.3		amp.
Direct Interelectrode Capacitances (Approx.):			
	Triode Unit T_1	*Triode Unit T_2*	
Grid to Plate	2.6	1.8	μμf
Grid to Cathode	2.6	1.3	μμf
Plate to Cathode	2.0	2.2	μμf
Grid to Grid	0.1		μμf
Plate to Plate	2.0		μμf
Overall Length			4-7/32" to 4-15/32"
Seated Height			3-21/32" to 3-29/32"
Maximum Diameter			1-9/16"
Bulb			ST-12
Cap			Skirted Miniature, Style A
Base			Small Shell Octal 8-Pin

Pin 1 - No Connection
Pin 2 - Heater
Pin 3 - Plate (Triode T_2)
Pin 4 - Cathode (Triode T_2)
Pin 5 - Grid (Triode T_1)
Pin 6 - Plate (Triode T_1)
Pin 7 - Heater
Pin 8 - Cathode (Triode T_1)
Cap - Grid (Triode T_2)



BOTTOM VIEW (G-8G)

Mounting Position: Any

EACH TRIODE UNIT

Plate Voltage	250 max.	volts
Grid Voltage	0 min.	volts
Plate Dissipation	1.0 max.	watt
Characteristics - Class A_1 Amplifier:		
Plate	250	volts
Grid	-4.5	volts
Amp. Fact.	36	
Plate Res.	22500	ohms
Transcond.	1600	μmhos
Plate Cur.	3.2	ma.

Typical Operation - Resistance-Coupled Amplifier:
See RESISTANCE-COUPLED AMPLIFIER CHART.

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

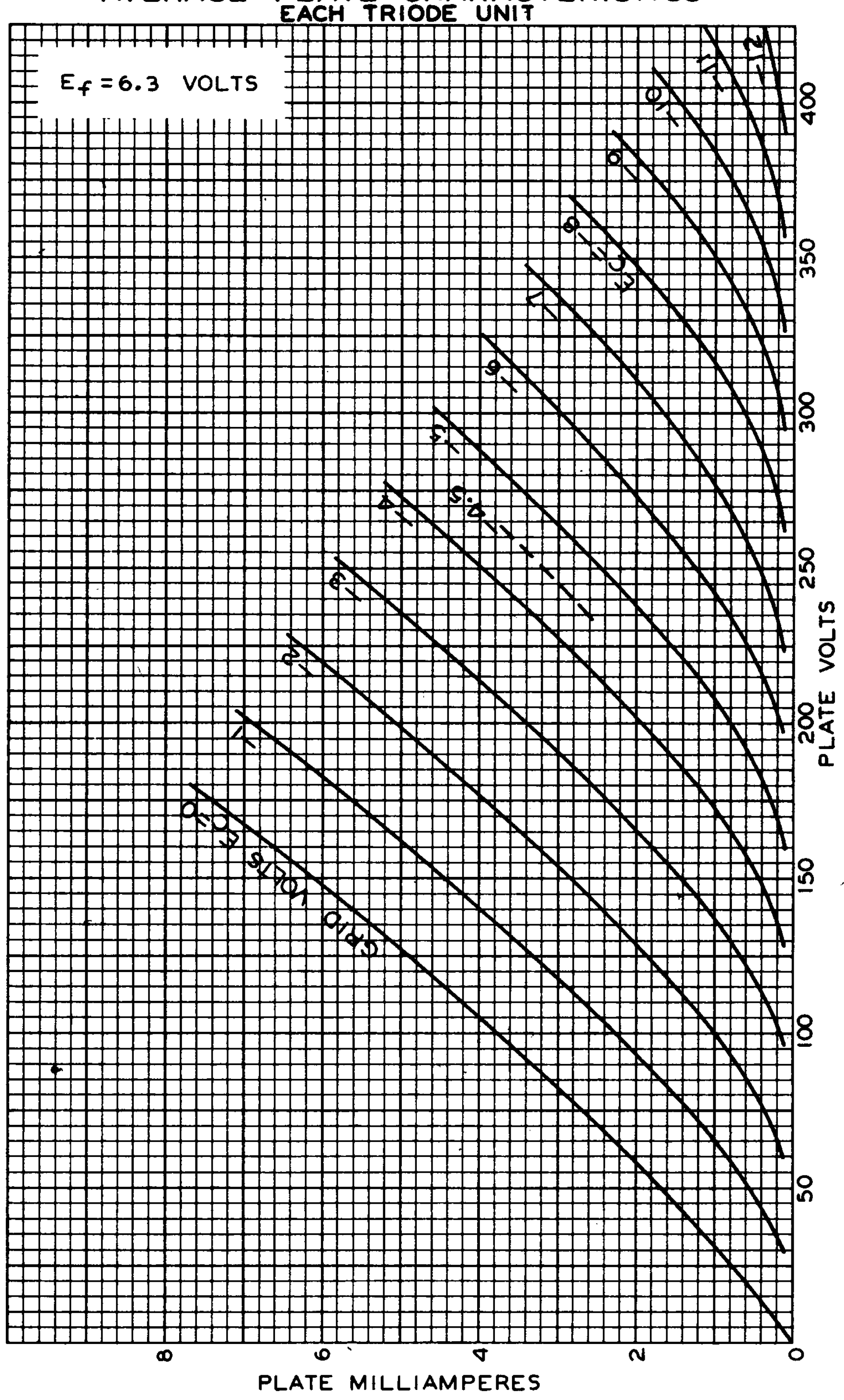
→ Indicates a change.

RCA

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AVERAGE PLATE CHARACTERISTICS

EACH TRIODE UNIT



SEPT. 18, 1941

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-4957R1